

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

JAN 20 2006

PATENT APPLICATION

ATTORNEY DOCKET NO. 200304072-3

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Joseph P. Miller et al

Confirmation No.: 4259

Application No.: 10/720623

Examiner: DINH, Tuan T.

Filing Date: Nov 24, 2003

Group Art Unit: 2841

Title: INTEGRATED CIRCUIT DEVICE/CIRCUIT BOARD CONNECTION APPARATUS

Mail Stop Amendment
Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment () Petition to extend time to respond
() New fee as calculated below () Supplemental Declaration
(X) No additional fee
() Other: _____ (fee \$ _____)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X \$50	\$ 0
INDEP. CLAIMS		MINUS		= 0	X \$200	\$ 0
[] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$360	\$ 0
EXTENSION FEE	1ST MONTH \$120.00	2ND MONTH \$450.00	3RD MONTH \$1020.00	4TH MONTH \$1590.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

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Typed Name: N. Rhys Merrett

Signature: N. Rhys Merrett

Respectfully submitted,

Joseph P. Miller et al

By N. Rhys Merrett

N. Rhys Merrett

Attorney/Agent for Applicant(s)

Reg. No. 27,250

Date: 01/20/2006

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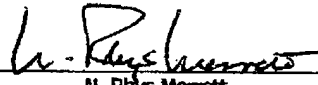
Application No. 10/720,623
Amndt. dated: January 20, 2006
Reply to Office Action mailed: January 10, 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application 10/720,623
Filing Date: 11/24/2003
Inventor(s): Joseph P. MILLER et al
For: Integrated Circuit Device/Circuit
Board Connection Apparatus

Confirmation No. 4259
Group Art Unit: 2841
Examiner: DINH, Tuan T.
Attorney Docket: 200304072-3

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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January 20, 2006	
Date	N. Rhys Merrett

RESPONSE TO ELECTION/RESTRICTION REQUIREMENT (2)

Dear Sir:

This is a response to the Office Action mailed January 10 containing a second election/restriction requirement even though the response mailed October 20, 2005 was fully responsive to the election/restriction requirement in the Office Action mailed September 22, 2005. Reconsideration of the latest election/restriction requirement in the light of the following traverse and comments is requested.

Initially, Applicant protests that the present requirement for further election, if proper, could and should have been made in the Office Action mailed September 22, 2005. The result will be unnecessary delay in examination and prosecution of the application. Beyond that, it is Applicants' position the restriction/election requirement is without merit and should be withdrawn.

The Office Action asserts that with regard to the claims directed to the Group II invention, "the combination as claimed does not require the particulars of the subcombination as claimed for

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patentability", but no showing in support of that assertion was made by the Examiner. Considering claim 34, for example, this assertion implies the Examiner considers claim 34 would rely on the recitation "A system for connecting a circuit device to a circuit board, comprising: an integrated circuit device having a first interface;" for patentability. As noted, the Office Action fails to provide any supporting showing.

Further, it is noted that while the Office Action mailed September 22, 2005 states all of claims 1-26 and 34-39 are classified in class 360, subclass 760, the present Office Action asserts, without explanation or support for the change, that claims 1-14 (Group I) should be classified in class 361, subclass 777 while claims 15-26 and 34-39 (Group II) should be classified in class 361, subclass 760.

Class 360 includes the following subclasses:

- 748 .. Printed circuit board
- .
- 760 ... Connection of components to board
- .
- 777 By specific pattern on board

Considering, for example, claim 1 (defining an interstitial circuit board) and claim 34 (defining a system for connecting a device to a circuit board, including an interstitial circuit board), it can readily be seen that a positively recited element of each claim is an "interstitial circuit board". The features of the Interstitial circuit board as recited in each of claims 1 and 34 appear consistent with the characterization of class 361 subclass 760 (Printed circuit board, Connection of components to board), as stated in the Office Action mailed September 22, 2005. Further, it is not seen why subclass 777 (itself a subclass of 760) is not applicable to both claims 1 and 34. Because the "specific pattern on board" of the interstitial circuit board recited in claim 34 is defined in a generally similar manner to the "specific pattern on board" of the Interstitial circuit board recited in claim 1, a proper search and examination of claim 34 cannot be carried out unless the search and examination includes class 361, subclass 777. This conclusion is reinforced by the fact that in claim 34, the only element recited in addition to the "Interstitial

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circuit board" is "A system for connecting a circuit device to a circuit board, comprising: an integrated circuit device having a first interface;". Similar considerations are applicable to Group II independent claims 15 and 26. All of pending claims 1-26 and 34-39 rely for support in the specification by disclosure of the same embodiment, which is not complicated in nature or difficult to comprehend. Consequently, any added burden on the Examiner in searching and examining all of the claims of Group I and Group II in the same application would be *de minimis*. Similar considerations apply to independent claim 10 (Group I) and independent claims 15 and 26 (Group II). The Examiner has not satisfied MPEP 808.02 by failing to "explain why there would be a serious burden on the examiner if restriction is not required."

Based on the above facts and discussion, the outstanding requirement for restriction and election is respectfully traversed. If the restriction requirement is not withdrawn, the invention of Group II (claims 15-26 and 34-39) is elected for examination. It is hoped that examination of the application may now proceed without further delay.

The Commissioner is authorized to charge any additional fees and/or credit any overpayment to Deposit Account No. 08-2025 (200304072-3).

Date: January 20, 2006
Hewlett-Packard Company
Intellectual Property Administration
PO Box 272400
Fort Collins, CO 80527-2400

Respectfully submitted,



N. Rhys Merrett
Attorney for Applicant
Reg. No. 27,250
Tel. No. 425-402-4638